

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071725\
 Data File : VN087348.D
 Acq On : 17 Jul 2025 16:31
 Operator : JC\MD
 Sample : Q2609-04DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 710-CDL

Quant Time: Jul 18 01:27:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

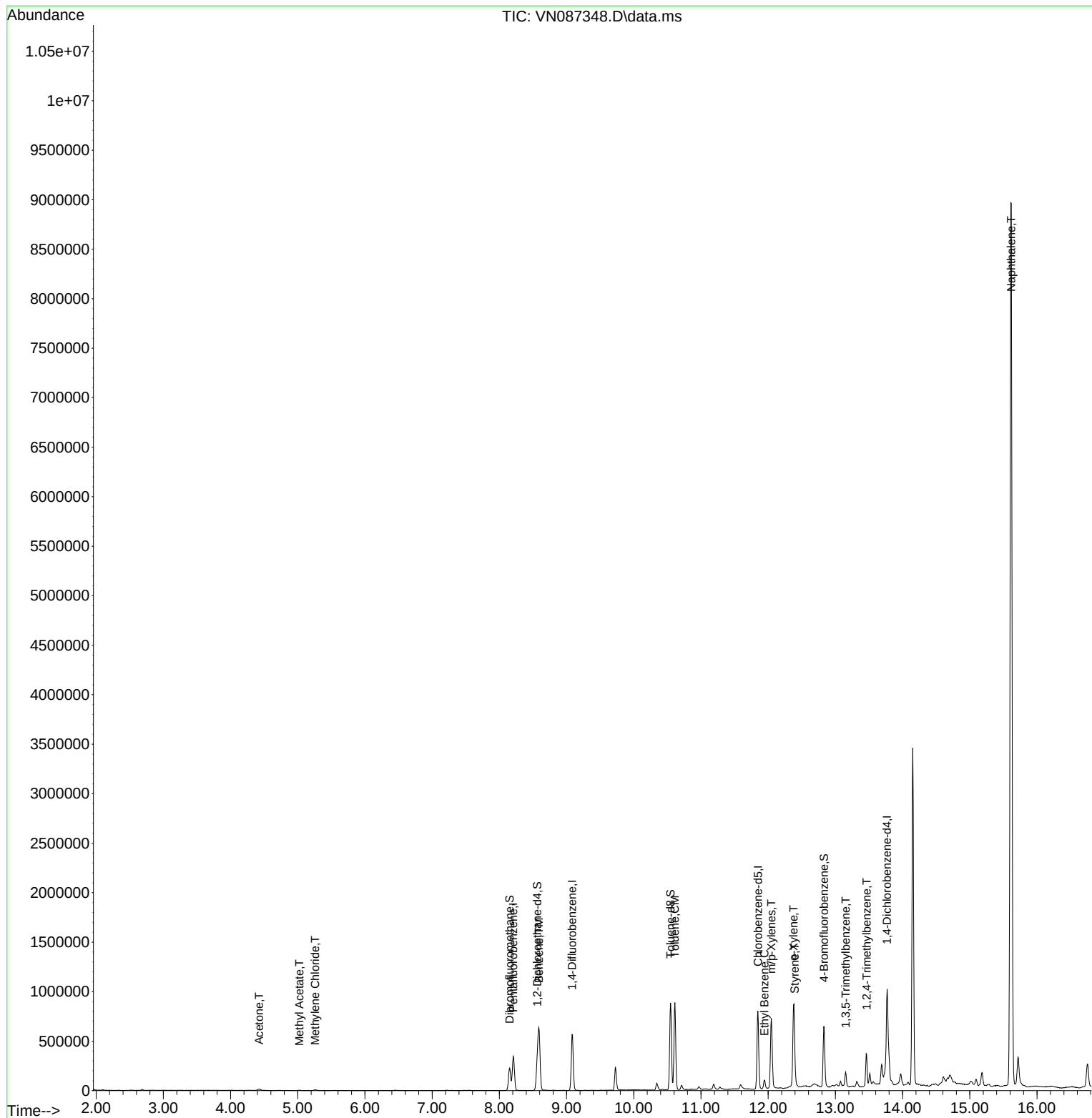
Internal Standards						
1) Pentafluorobenzene	8.206	168	251978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	492465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	453256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	225808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	221365	51.775	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.540%			
35) Dibromofluoromethane	8.153	113	168160	49.502	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.000%			
50) Toluene-d8	10.547	98	612037	50.508	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.020%			
62) 4-Bromofluorobenzene	12.829	95	230520	51.491	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.980%			
Target Compounds					Qvalue	
16) Acetone	4.424	43	25318	12.629	ug/l #	88
18) Methyl Acetate	5.024	43	8013	1.591	ug/l #	90
20) Methylene Chloride	5.259	84	5667	1.045	ug/l #	75
40) Benzene	8.588	78	593825	40.938	ug/l	98
52) Toluene	10.612	92	393280	44.606	ug/l	99
67) Ethyl Benzene	11.947	91	64103	3.827	ug/l	94
68) m/p-Xylenes	12.047	106	226068	36.038	ug/l	99
69) o-Xylene	12.376	106	203386	33.942	ug/l	96
70) Styrene	12.394	104	134416	13.335	ug/l #	83
80) 1,3,5-Trimethylbenzene	13.153	105	78468	6.480	ug/l	100
84) 1,2,4-Trimethylbenzene	13.465	105	199320	16.119	ug/l	98
95) Naphthalene	15.617	128	8521554	597.551	ug/l	99

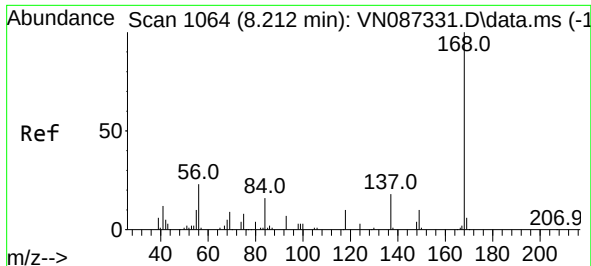
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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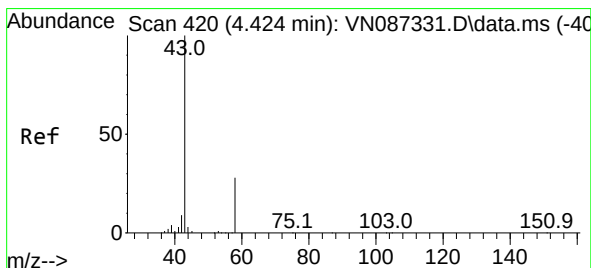
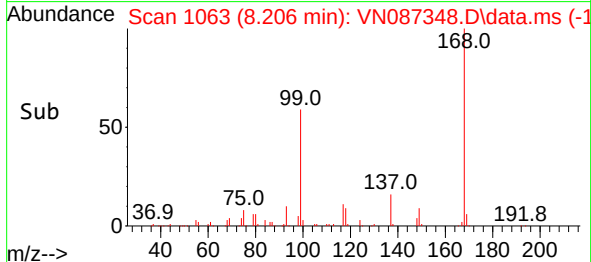
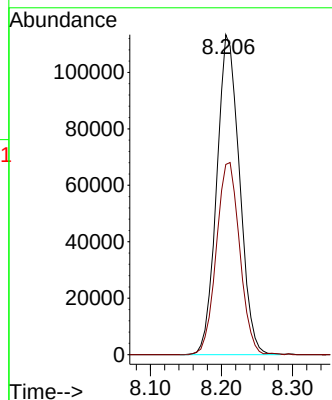
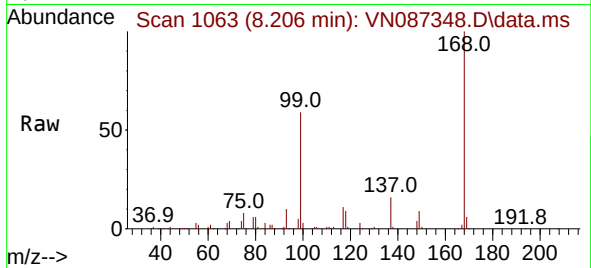




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

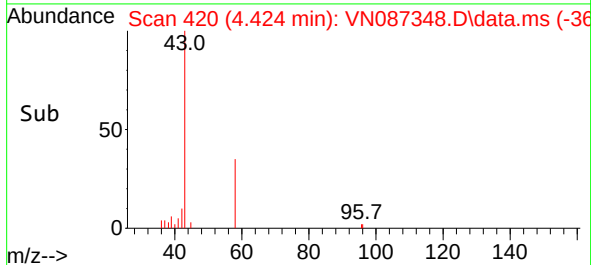
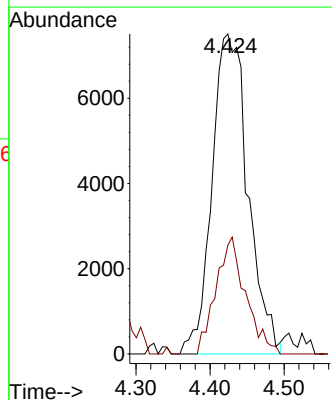
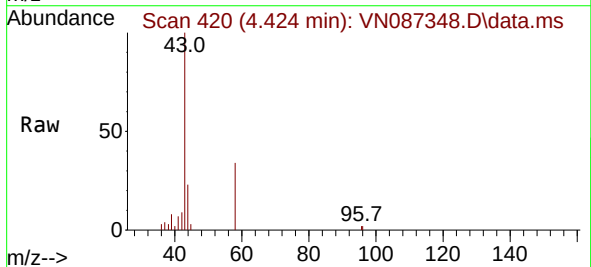
Instrument :
MSVOA_N
ClientSampleId :
710-CDL

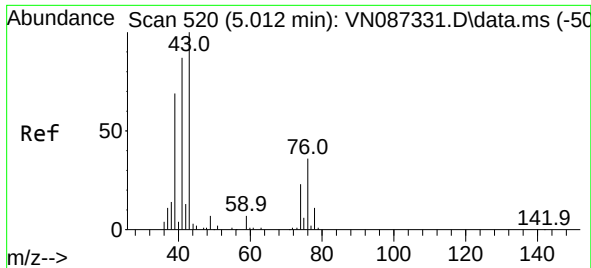
Tgt Ion:168 Resp: 251978
Ion Ratio Lower Upper
168 100
99 59.4 47.9 71.9



#16
Acetone
Concen: 12.629 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

Tgt Ion: 43 Resp: 25318
Ion Ratio Lower Upper
43 100
58 34.0 22.3 33.5#

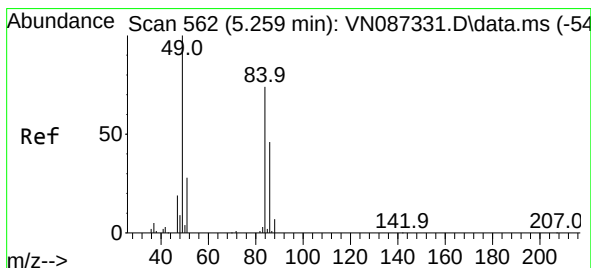
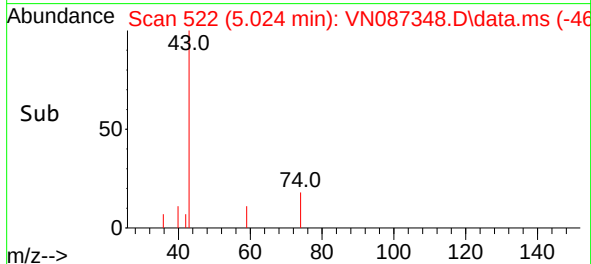
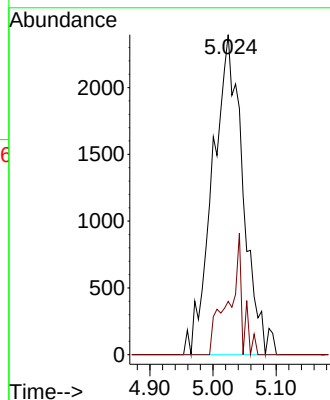
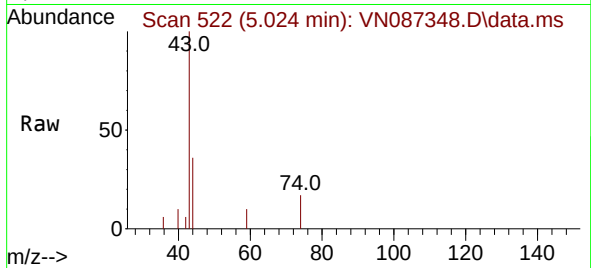




#18
Methyl Acetate
Concen: 1.591 ug/l
RT: 5.024 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

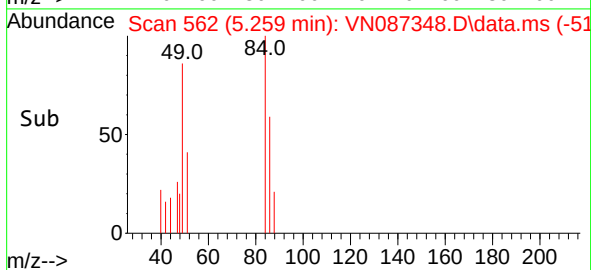
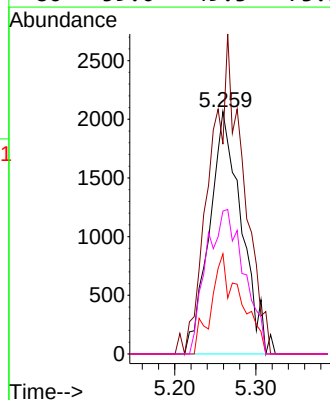
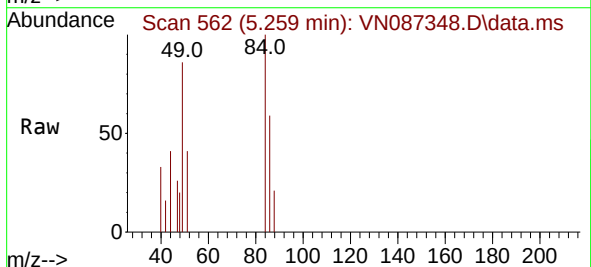
Instrument :
MSVOA_N
ClientSampleId :
710-CDL

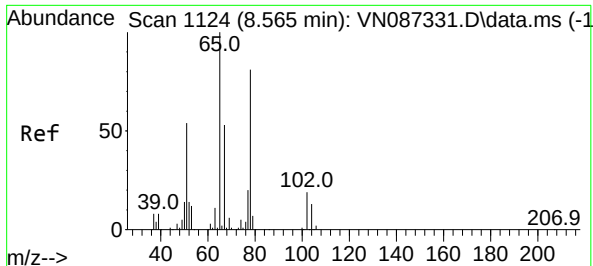
Tgt Ion: 43 Resp: 8013
Ion Ratio Lower Upper
43 100
74 17.4 17.8 26.6#



#20
Methylene Chloride
Concen: 1.045 ug/l
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

Tgt Ion: 84 Resp: 5667
Ion Ratio Lower Upper
84 100
49 86.5 107.5 161.3#
51 41.3 30.2 45.2
86 59.0 49.3 73.9





#33

1,2-Dichloroethane-d4

Concen: 51.775 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087348.D

Acq: 17 Jul 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

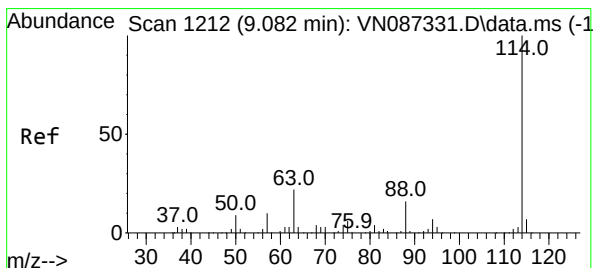
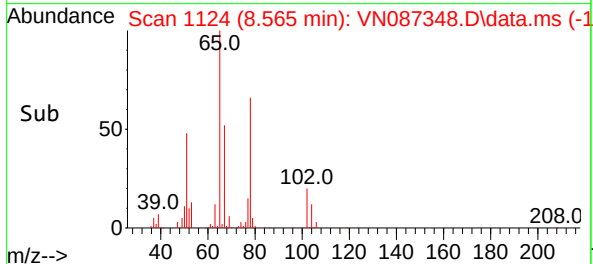
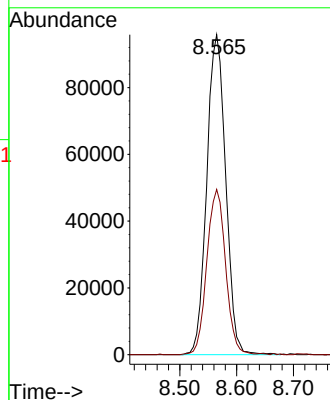
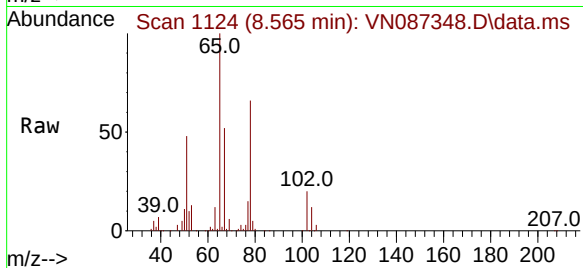
710-CDL

Tgt Ion: 65 Resp: 221365

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087348.D

Acq: 17 Jul 2025 16:31

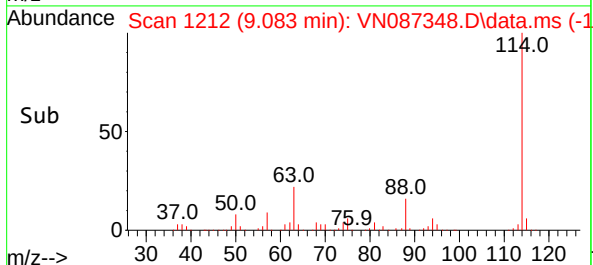
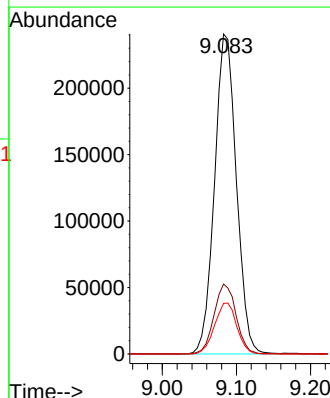
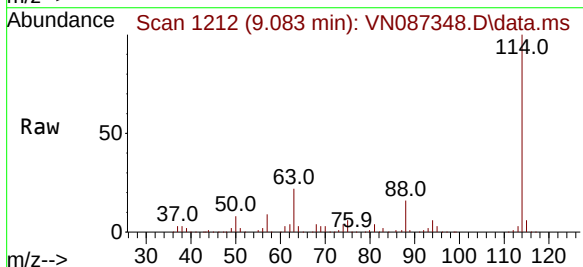
Tgt Ion: 114 Resp: 492465

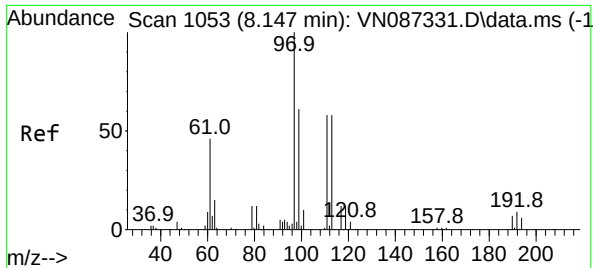
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.6

88 15.8 0.0 32.8

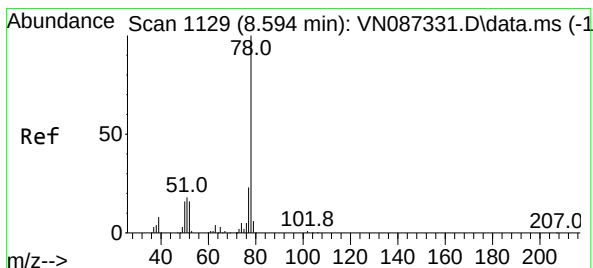
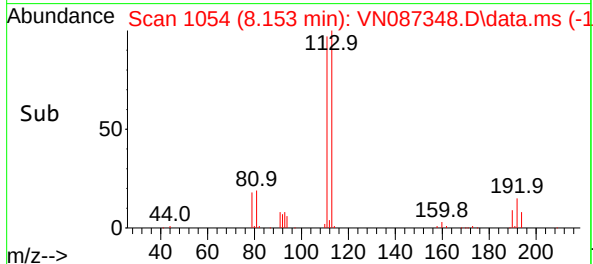
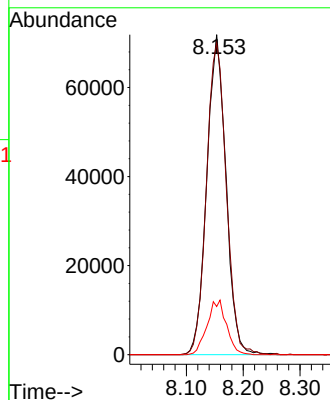
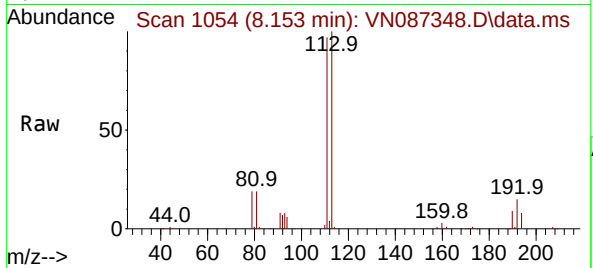




#35
Dibromofluoromethane
Concen: 49.502 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

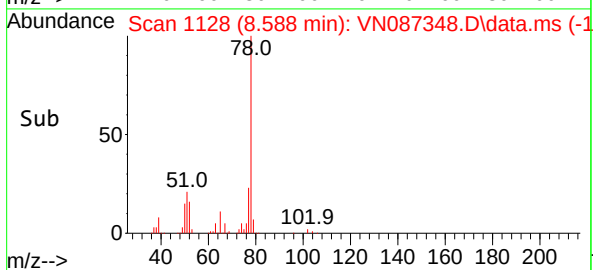
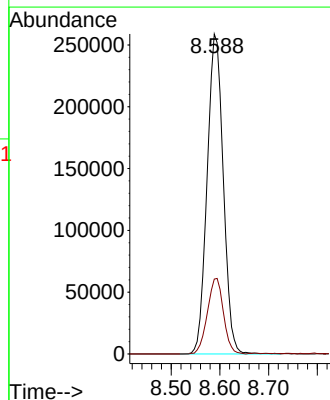
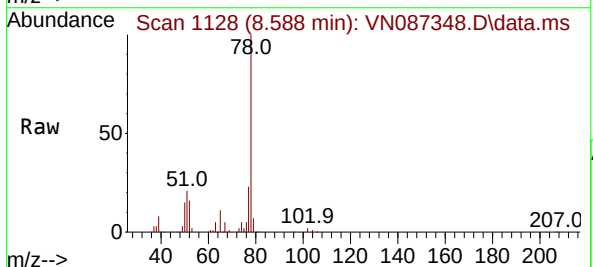
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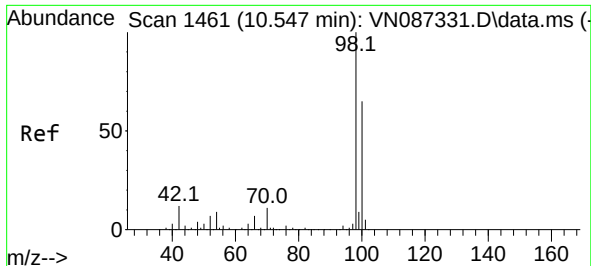
Tgt Ion:113 Resp: 168160
Ion Ratio Lower Upper
113 100
111 100.5 82.5 123.7
192 17.2 13.7 20.5



#40
Benzene
Concen: 40.938 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

Tgt Ion: 78 Resp: 593825
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2

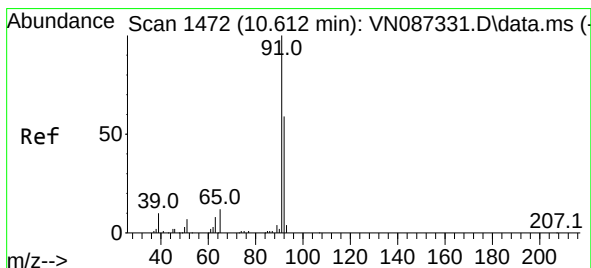
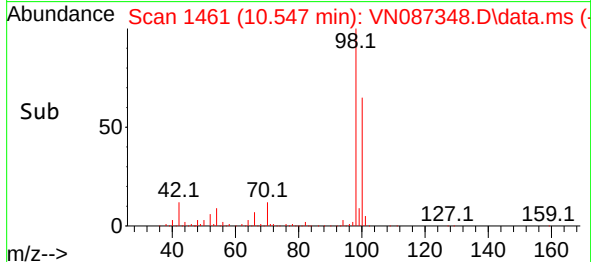
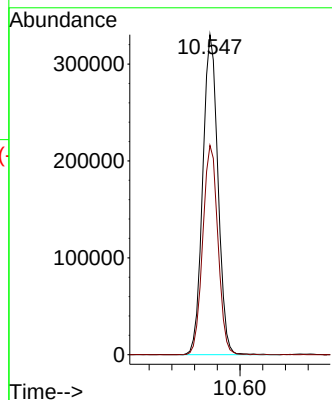
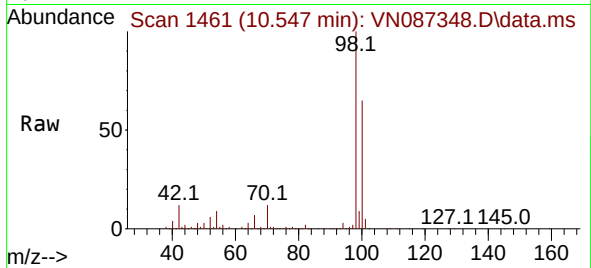




#50
Toluene-d8
Concen: 50.508 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

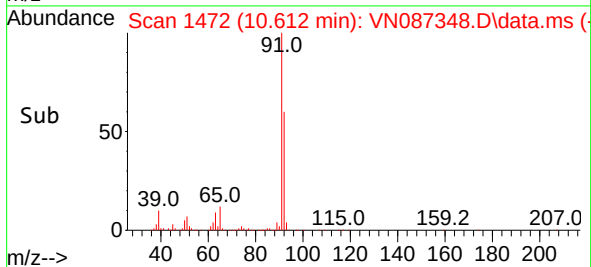
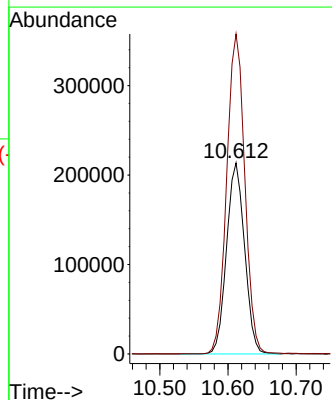
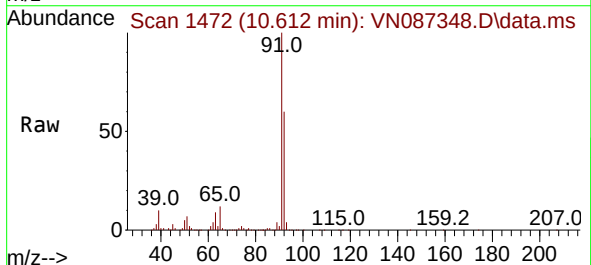
Instrument :
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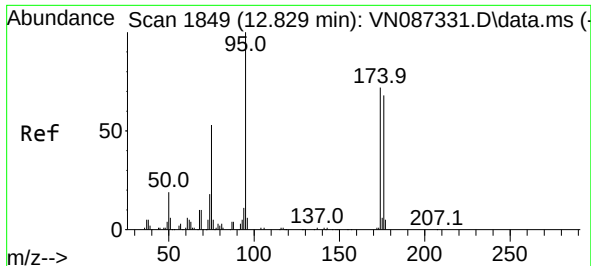
Tgt Ion: 98 Resp: 612037
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#52
Toluene
Concen: 44.606 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

Tgt Ion: 92 Resp: 393280
Ion Ratio Lower Upper
92 100
91 168.1 135.1 202.7

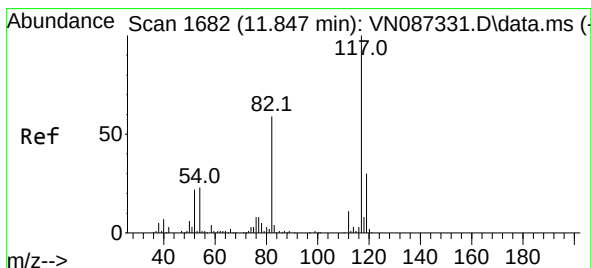
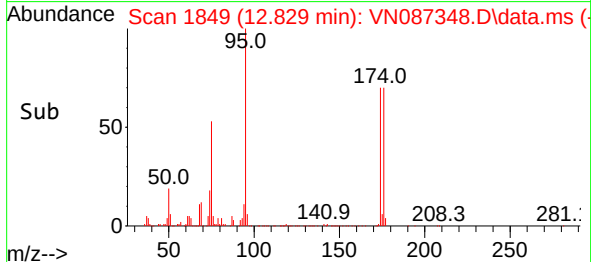
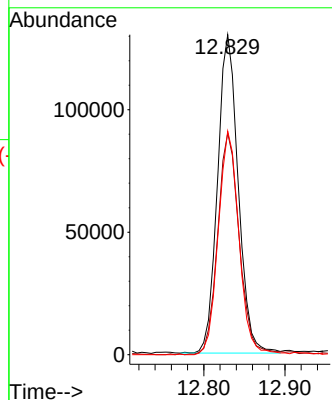
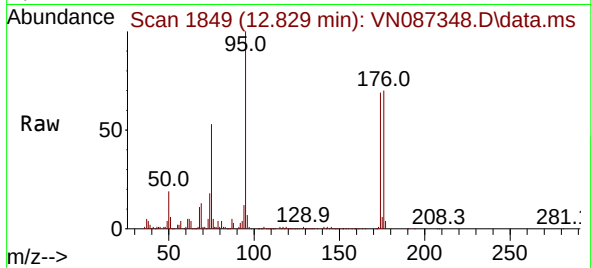




#62
4-Bromofluorobenzene
Concen: 51.491 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

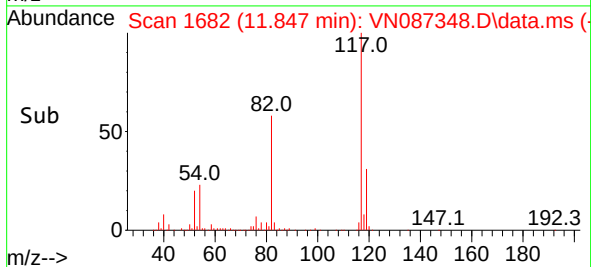
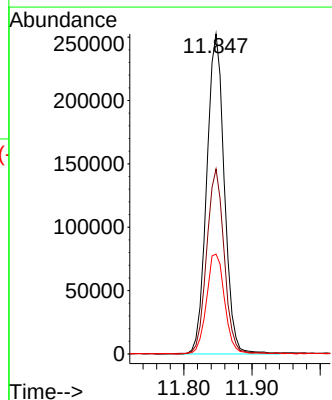
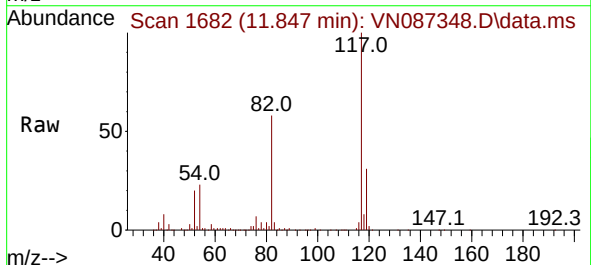
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ClientSampleId :
710-CDL

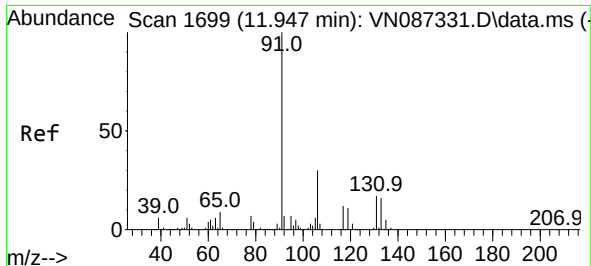
Tgt Ion: 95 Resp: 230520
Ion Ratio Lower Upper
95 100
174 73.1 0.0 149.4
176 70.2 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

Tgt Ion: 117 Resp: 453256
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 31.2 23.8 35.8

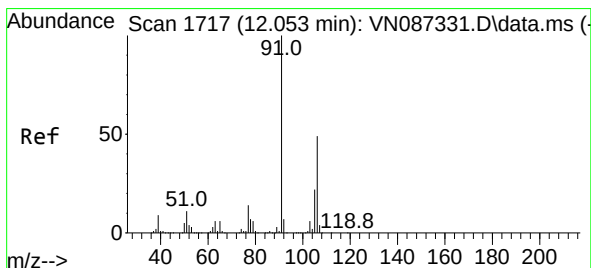
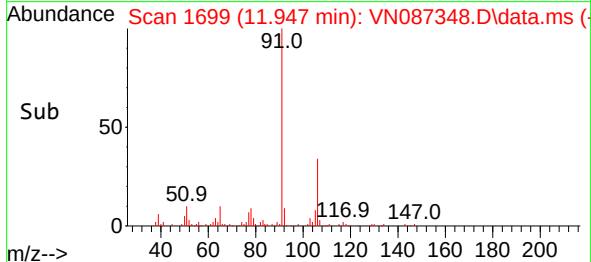
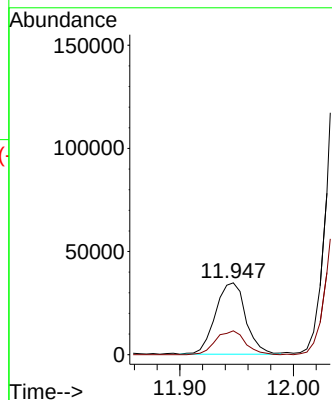
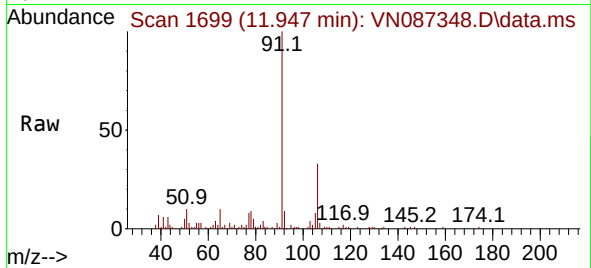




#67
Ethyl Benzene
Concen: 3.827 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

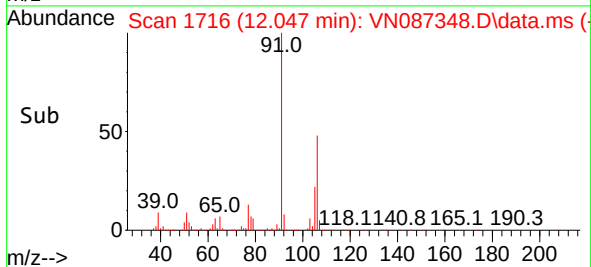
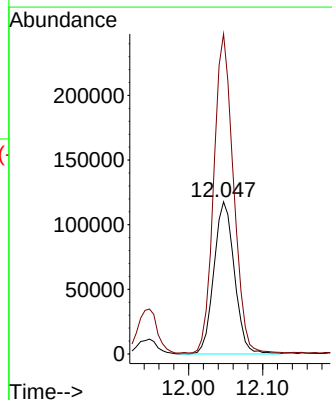
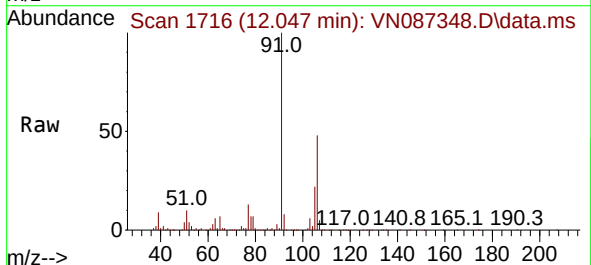
Instrument :
MSVOA_N
ClientSampleId :
710-CDL

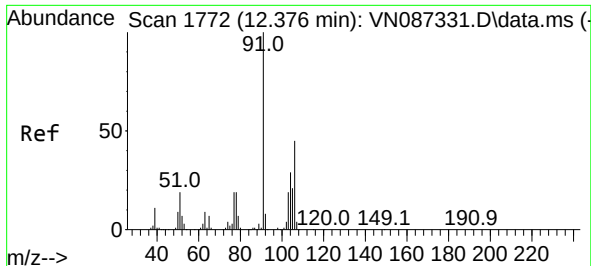
Tgt Ion: 91 Resp: 64103
Ion Ratio Lower Upper
91 100
106 33.4 24.3 36.5



#68
m/p-Xylenes
Concen: 36.038 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

Tgt Ion:106 Resp: 226068
Ion Ratio Lower Upper
106 100
91 201.2 162.0 243.0

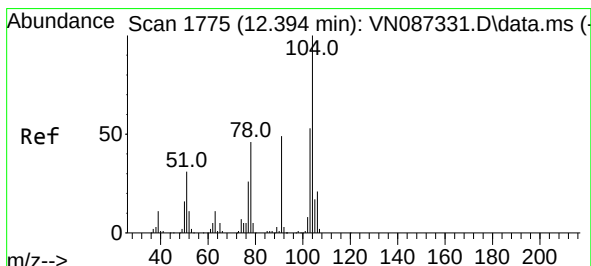
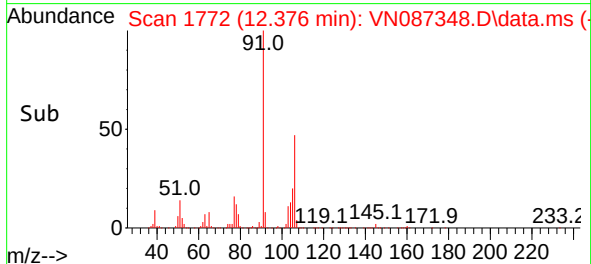
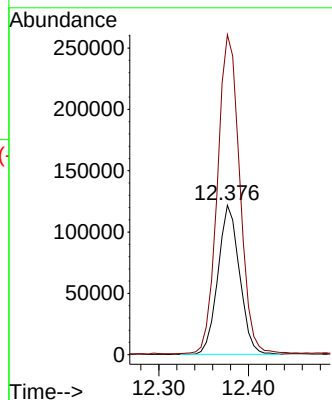
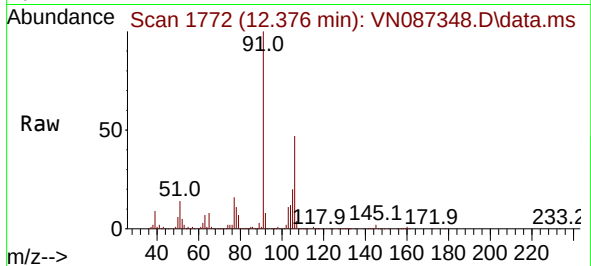




#69
o-Xylene
Concen: 33.942 ug/l
RT: 12.376 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

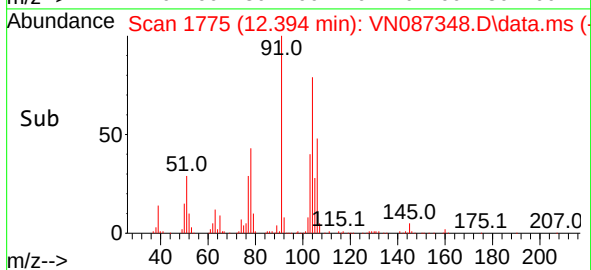
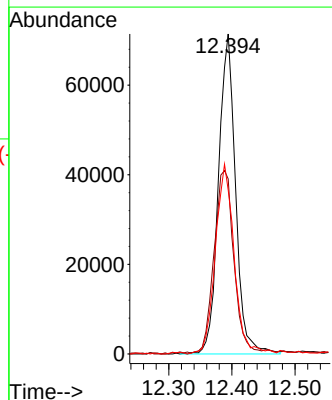
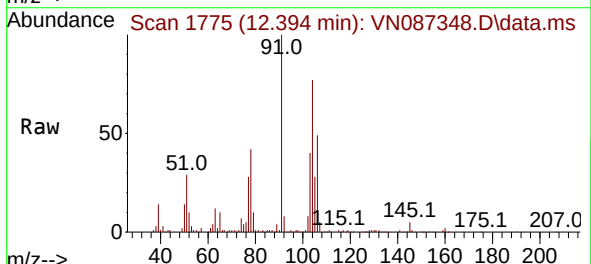
Instrument :
MSVOA_N
ClientSampleId :
710-CDL

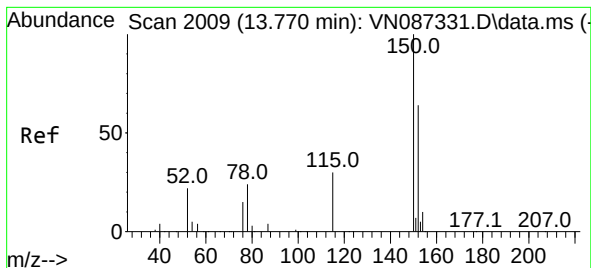
Tgt Ion:106 Resp: 203386
Ion Ratio Lower Upper
106 100
91 221.2 107.7 323.3



#70
Styrene
Concen: 13.335 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

Tgt Ion:104 Resp: 134416
Ion Ratio Lower Upper
104 100
78 65.4 41.0 61.6#
103 65.2 43.9 65.9

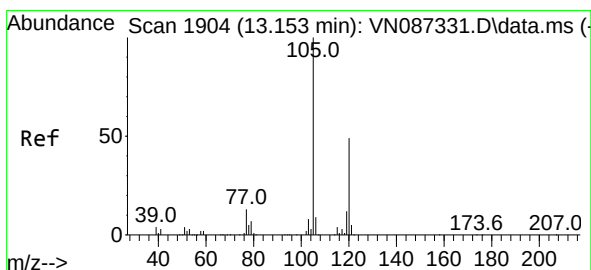
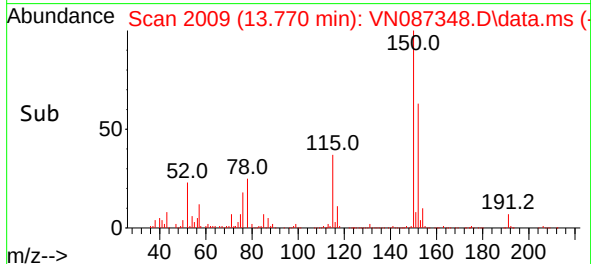
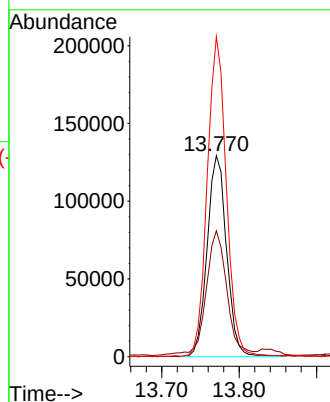
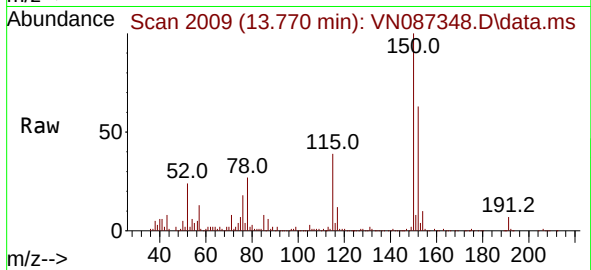




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

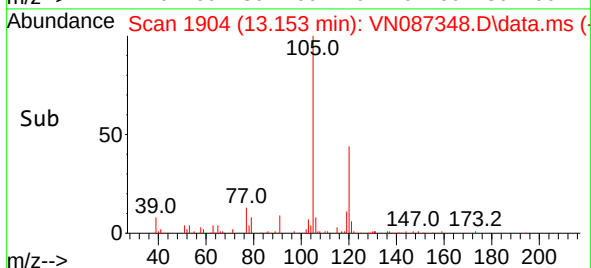
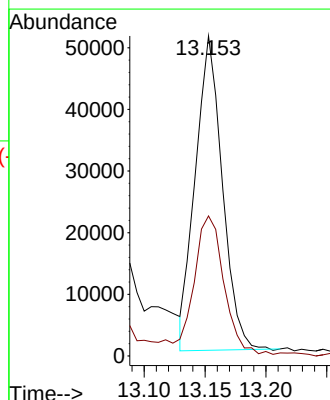
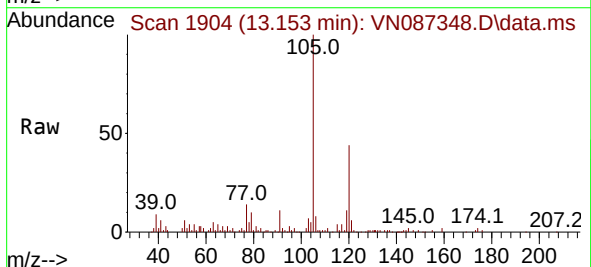
Instrument :
MSVOA_N
ClientSampleId :
710-CDL

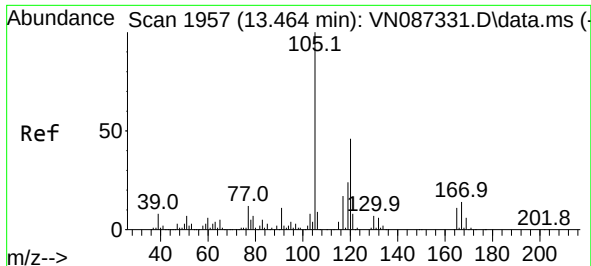
Tgt Ion:152 Resp: 225808
Ion Ratio Lower Upper
152 100
115 66.1 31.1 93.5
150 156.4 0.0 349.0



#80
1,3,5-Trimethylbenzene
Concen: 6.480 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

Tgt Ion:105 Resp: 78468
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.8

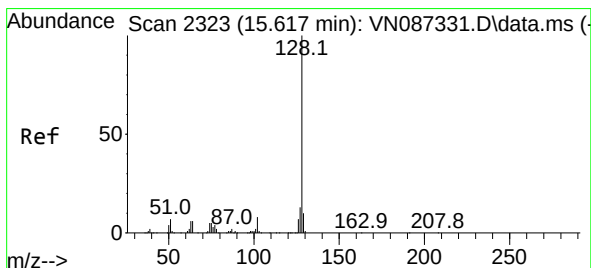
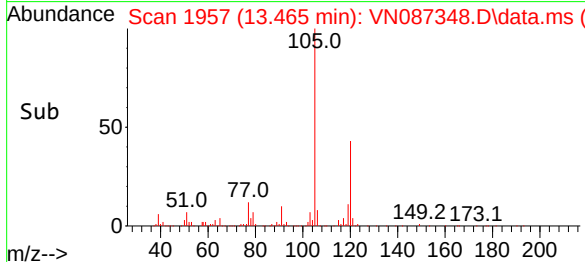
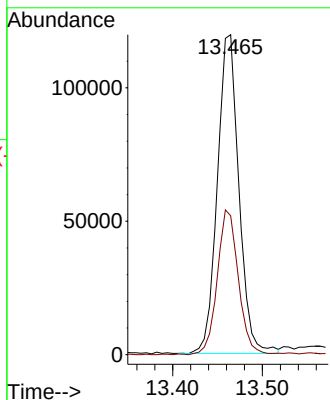
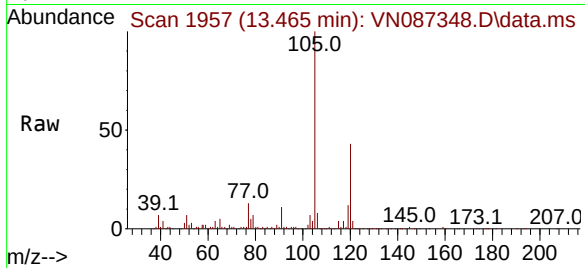




#84
1,2,4-Trimethylbenzene
Concen: 16.119 ug/l
RT: 13.465 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
710-CDL

Tgt Ion:105 Resp: 199320
Ion Ratio Lower Upper
105 100
120 44.5 22.8 68.3



#95
Naphthalene
Concen: 597.551 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN087348.D
Acq: 17 Jul 2025 16:31

Tgt Ion:128 Resp: 8521554
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.0 8.4 12.6

